

CHEMICAL CORPS  
CHEMICAL AND RADIOLOGICAL LABORATORIES  
Army Chemical Center  
Maryland

SYMPOSIUM VII

INCENDIARY GELS AND THEIR INSTRUMENTATION

All technical sessions held in Post Theatre

Monday, 27 June 1955

INTRODUCTIONS 9:30 AM

1. Survey of Instrumentation of Incendiary Gels 9:45 AM  
L. Finkelstein, Cml C Chemical and Radiological Laboratories, Army Chemical Center, Md.
2. The Application of the McKee Consistometer 10:15 AM  
to Incendiary Gels  
A. B. Bestul, Division of Heat & Power,  
National Bureau of Standards, Washington,  
D. C.
3. Viscoelasticity of Aluminum Soap Gels 10:45 AM  
W. Philippoff, The Franklin Institute,  
Philadelphia, Pennsylvania
4. Flow Properties of Aluminum Soap Gels 11:15 AM  
W. H. Bauer, Rensselaer Polytechnic  
Institute, Troy, New York

LUNCH

5. Theory of Non-Newtonian Flow as Applied to 2:00 PM  
Napalm Gels  
Henry Eyring, University of Utah, Salt Lake  
City, Utah
6. Viscoelasticity of Rubber 2:30 PM  
A. V. Tobolsky, Princeton University,  
Princeton, New Jersey
7. Stress Relaxation of Rubber-like Material 3:00 PM  
H. Leaderman, National Bureau of Standards,  
Washington, D. C.

Incl 1 *B. Bestul*

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INCENDIARY GELS AND THEIR INSTRUMENTATION

Tuesday, 28 June 1955

1. Dynamic Bulk Modulus of Rubber-like Materials 9:30 AM  
R. S. Marvin, Rubber Section, National Bureau  
of Standards, Washington, D. C.
2. Viscosity of Carboxymethyl Cellulose Solutions 10:00 AM  
J. H. Elliott and E. H. DeButts, Hercules  
Experiment Station, Wilmington, Delaware
3. Rheology of Vinyl Dispersions 10:30 AM  
E. T. Severs, Mellon Institute, Pittsburgh,  
Pennsylvania
4. Degradation of Polymers 11:00 AM  
L. A. Wall, National Bureau of Standards,  
Washington, D. C.

LUNCH

5. Evaluation of Synthetic Latices 2:00 PM  
L. H. Howland, United States Rubber Company,  
Naugatuck, Connecticut
6. Theory of Flame Thrower Jet Stability 2:30 PM  
M. Mooney, United States Rubber Company  
General Laboratories, Passaic, New Jersey
7. Stability Conditions for a Fluid Jet 3:00 PM  
P. Debye, Cornell University, Ithaca, New  
York

Commanding Officer  
Cml C Chemical and Radiological Laboratories  
Army Chemical Center, Maryland  
ATTN: Chairman, Symposium VII

will  
I will not accept the invitation to attend  
Symposium VII.

Yes No

1. I am an American citizen. \_\_\_\_\_
2. Accommodations in Army Barracks  
at Army Chemical Center requested. \_\_\_\_\_
3. Accommodations in Baltimore hotel  
will be obtained personally. \_\_\_\_\_
4. Attendance at buffet dinner on  
evening of 27 June (cost about  
\$3.00 including cocktails). \_\_\_\_\_
5. Travel expenses will be charged  
to a Government contract with \_\_\_\_\_

Give name of Govt.  
Organization

6. Travel expenses provided by  
my employer \_\_\_\_\_

Give name of Employer

7. Government orders to travel  
as a consultant or member of  
an advisory committee will be  
obtained from \_\_\_\_\_

Give name of Govt.  
Organization

8. Method of travel (train schedules  
will be supplied early in May to  
all participants). \_\_\_\_\_

Train Auto  
Cross out one

9. I am affiliated with \_\_\_\_\_

Name of Company

Name \_\_\_\_\_ Address \_\_\_\_\_  
(Please print or type)

(Please print or type)

Signature \_\_\_\_\_

Please reply before <sup>9</sup> MAY 20 1955  
Incl 2 *to Incl 1*

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CENTRAL INTELLIGENCE AGENCY  
OFFICIAL ROUTING SLIP

| TO |                                     | INITIALS                      | DATE                         |
|----|-------------------------------------|-------------------------------|------------------------------|
| 1  | Director of Training<br>Attn: XO/TR | <i>[Signature]</i>            | 13 May                       |
| 2  |                                     |                               |                              |
| 3  | TSS - [Redacted]                    |                               | 24 May<br><i>[Signature]</i> |
| 4  | Dir. of Training XO/TR              | <i>[Signature]</i><br>for DIR | 25 May                       |
| 5  |                                     |                               |                              |

| FROM |       | INITIALS           | DATE   |
|------|-------|--------------------|--------|
| 1    | DC/OS | <i>[Signature]</i> | 12 May |
| 2    |       |                    |        |
| 3    |       |                    |        |

☐ APPROVAL      ☐ INFORMATION      ☐ SIGNATURE  
☐ ACTION      ☐ DIRECT REPLY      ☐ RETURN  
☐ COMMENT      ☐ PREPARATION OF REPLY      ☐ DISPATCH  
☐ CONCURRENCE      ☐ RECOMMENDATION      ☐ FILE

Remarks: Of no interest to Operations School.  
Suggest it be forwarded to Chemical  
Division/TSS.

4 - no interest in TSS/CD -  
Thank you.

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OFFICIAL ROUTING SLIP

EO-5401

| TO   |                         | INITIALS           | DATE   |
|------|-------------------------|--------------------|--------|
| 1    | DIRECTOR OF TRAINING    | <i>WPA for DTR</i> | 11 May |
| 2    | <i>C/OS/TR</i>          | <i>12 May</i>      |        |
| 3    | <i>DC/OS</i>            | <i>12 May</i>      |        |
| 4    |                         |                    |        |
| 5    |                         |                    |        |
| FROM |                         | INITIALS           | DATE   |
| 1    | Assist. to the Director | <i>FM</i>          | 10 May |
| 2    |                         |                    |        |
| 3    |                         |                    |        |

|  |  |                                    |
|--|--|------------------------------------|
| <input type="checkbox"/> APPROVAL          | <input type="checkbox"/> INFORMATION             | <input type="checkbox"/> SIGNATURE |
| <input checked="" type="checkbox"/> ACTION | <input checked="" type="checkbox"/> DIRECT REPLY | <input type="checkbox"/> RETURN    |
| <input type="checkbox"/> COMMENT           | <input type="checkbox"/> PREPARATION OF REPLY    | <input type="checkbox"/> DISPATCH  |
| <input type="checkbox"/> CONCURRENCE       | <input type="checkbox"/> RECOMMENDATION          | <input type="checkbox"/> FILE      |

Remarks:

Please note that reply is requested within  
two weeks.

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